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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/935,998A

DATE: 05/13/2003
 TIME: 13:51:43

Input Set : A:\EP.txt
 Output Set: N:\CRF4\05132003\I935998A.raw

*See page
6.*

3 <110> APPLICANT: Genetic Technologies
 4 Simons, Malcom J.
 6 <120> TITLE OF INVENTION: Intron Sequence Analysis Method for Detection of Adjacent
 and Remote

7 Locus Alleles as Haplotypes
 9 <130> FILE REFERENCE: 005493.P001
 11 <140> CURRENT APPLICATION NUMBER: 09/935,998A
 12 <141> CURRENT FILING DATE: 2001-08-23
 14 <150> PRIOR APPLICATION NUMBER: US 07/949,652
 15 <151> PRIOR FILING DATE: 1992-09-23
 17 <150> PRIOR APPLICATION NUMBER: US 07/551,239
 18 <151> PRIOR FILING DATE: 1990-07-11
 20 <150> PRIOR APPLICATION NUMBER: US 07/465,863
 21 <151> PRIOR FILING DATE: 1990-01-16
 23 <150> PRIOR APPLICATION NUMBER: US 07/405,499
 24 <151> PRIOR FILING DATE: 1989-09-11
 26 <150> PRIOR APPLICATION NUMBER: US 07/398,217
 27 <151> PRIOR FILING DATE: 1989-08-25
 29 <160> NUMBER OF SEQ ID NOS: 78
 31 <170> SOFTWARE: PatentIn version 3.1
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 911
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Homo sapiens
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <223> OTHER INFORMATION: Class I-C1 allele
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50	ttccctgtac aagagtccaa ggggagaggt aagtgtcct	240
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54	gggattccag gagaagtga ggggaagggg ctgggcgc	360
56	ttccacagac agatccttgg ccaggactca ggcacacag	420
58	aggagaagag ggatcagacg aagtcccagg tcccgggc	480
60	ccaagggcg tgtctgcaact ggggaggcgc cgcgttgag	540
62	cactctctct cccaacctgc gtgcgggtcct tcttcttg	600
64	ttcccactcc cattgggtgt cgggttctag aagccaatc	660
66	ctaaagtcctc cagtcaccca cccggactca gattctccc	720
68	tggcgccccg aacctcctc ctgctgtct cgtgagccct	780
70	cctgtgagtg cgggggttggg agggaaacgg cctgtcgg	840
72	ggcaggcgca ggacccgggg agccgcgcag ggaggagggt	900
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84 <223> OTHER INFORMATION: Class I-C1 allele
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92 ggatgagttt tctgagttt cctctgaggg cccctctgc tctctaggac aattaaggga      180
94 tgaagtcctt gaggaatgg aggggaagac agtccctgga atactgatca ggggtccct      240
96 ttgaccactt tgaccactgc agcagctgtg gtcaggctgc tgacctttct ctcaggcctt      300
98 gttctctgcc tcacgttcaa tgtgttgaa ggtttgattc cagcttttct gagtccttcg      360
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102 atgaatagga gattatccca ggtgcctgtg tccaggctgg cgtctgggtt ctgtgcccc      480
104 ttccccaccc caggtgtcct gtccattctc aggatggtca catgggcgct gttggagtgt      540
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112 <213> ORGANISM: Homo sapiens
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115 <221> NAME/KEY: misc_feature
116 <223> OTHER INFORMATION: Class I-C2 allele
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124 tctacacgtc cattcccagg gcgagctcac tgtctggcat caagttcccc atggtgagtt      180
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130 gggattccag gagaagtga ggggaagggg ctggcgagc ctgggggtct ctccctggtt      360
132 tccacagaca gatccttccg gaggactcag gcacacagtg tgacaaagat gcttggtgta      420
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144 atggcgcccc gaacctcat cctgctgtc tcgggagccc tggccctgac cgagacctgg      780
146 gcctgtgagt gcggggttg gagggaaacg gcctctgcgg agaggagcga ggggccgcc      840
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154 <211> LENGTH: 588
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <223> OTHER INFORMATION: Class I-C2 allele IVS3

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168 ggatgagttt tctgagttt cctctgaggg cccctctgct tctctaggac aattaaggga 180
170 tgaagtcctt gaggaaatgg aggggaagac agtccctgga atactgatca ggggtcccct 240
172 ttgaccactt tgaccactgc agcagctgtg gtcaggctgc tgacctttct ctcaggcctt 300
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176 gcctccactc aggtcaggac cagaagtcgc tgttccctcc tcagagacta gaactttcca 420
178 atgaatagga gattatccca ggtgcctgtg tccaggctgg cgtctgggtt ctgtgcccc 480
180 ttccccaccc caggtgtcct gtccattctc aggatagtc catgggcgct gttggagtgt 540
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188 <213> ORGANISM: Homo sapiens
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (75)..(76)
193 <223> OTHER INFORMATION: "N" is an unidentified nucleotide
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197 <221> NAME/KEY: misc_feature
198 <223> OTHER INFORMATION: Class I-C3 allele
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206 cccagtcacc caccgcgact cagattctcc ccagacgccc agatgcgggt catggcgccc 180
208 cggacctca tctgtctgct ctcgggagcc ctggccctga ccgagacctg ggccggtgag 240
210 tgcgggggtg ggagggaatc ggcctcttgc ggagaggagc gaggggcccg cccggcgagg 300
212 ggcgcaggac ccggggagcc gcgcaggag gagggtcggg cgggtctcag cccctcctcg 360
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218 <211> LENGTH: 578
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
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224 <223> OTHER INFORMATION: Class I-C3 allele IVS3
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232 gatgagtttt cctgagttt ctctgagggc cccctctgct ctctgaggac aattaaggga 180
234 tgaagtcctt gaagaaatgg aggggaagac agtccctaga atactgatca ggggtcccct 240
236 ttgaccactg cagcagctgt ggtcaggctg ctgacctttc tctcaggcct tgttctctgc 300
238 ctcacgctca atgtgtttga aggtttgatt ccagcttttc tgagtccttc ggcctccact 360
240 caggtcagga ccagaagtcg ctgttccctc ctcagagact agaactttcc aatgaatagg 420
242 agattatccc agtgccctgt gtccaggctg gcgtctgggt tctgtgcccc ctccccacc 480
244 ccaggtgtcc tgtccgttct caggatggtc acatgggcgc tgttgagtg tcgcaagaga 540
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264 tgaaggggaa gcggggtgggc gccactgggg gtctctccct ggtttccaca gacagatcct      180
266 tgtgccggac tcaggcagac agtgtgacaa agaggctggg tagggagaag agggatcagg      240
268 acgaacgtcc aaggccccgg gcgcgggtctc aggggtctcag gctccgagag ccttgtctgc      300
270 attggggagg cgcacagttg gggttcccca ctcccacgag ttctacttct tctcccaacc      360
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276 acccaccggg actcagaatc tcctcagacg ccgagatgcg ggtcacggcg ccccgaaacc      540
278 tcctcctgct gctctggggg gcagtggccc tgaccgagac ctgggctggg gagtgcgggg      600
280 tcaggcaggg aaatggcctc tgtggggagg agcgagggga cgcaggcggg ggcgaggagc      660
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291 <221> NAME/KEY: misc_feature
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300 gcatgagttt tcctgagttt cctctgaggg cccctcttct tctctaggac aattaaggga      180
302 tgacgtctct gaggaaatgg aggggaagac agtccctaga atactgatca ggggtccctt      240
304 ttgaccctg cagcagcctt gggaaccgtg acttttcctc tcaggccttg ttcacagcct      300
306 cacactcagt gtgtttgggg ctctgattcc agcacttctg agtcacttta cctccactca      360
308 gatcaggagc agaagtccct gttccccgct cagagactcg aactttccaa tgaataggag      420
310 attatcccag gtgcctgcgt ccaggctggg gtctgggttc tgtgcccctt cccaccccca      480
312 ggtgtcctgt ccattctcag gctggtcaca tgggtgttcc taggggtgtcc catgagagat      540
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322 <220> FEATURE:
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324 <223> OTHER INFORMATION: Class I-B58 allele
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332 ctgctctggg gggcagtggc cctgaccgag acctgggccc gtgagtgagg ggtcgggagg      180
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342 <213> ORGANISM: Homo sapiens
344 <220> FEATURE:
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346 <223> OTHER INFORMATION: Class I-B58 allele IVS3
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354 gcatgagttt tcctgagttt cctctgagg cccctctctc tctctaggac aattaaggga      180
356 tgacgtctct gaggaatgg aggggaagac agtccctaga atactgatca ggggtccct      240
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362 gatcaggagc agaagtcctt gtcccccgt cagagactcg aactttccaa tcaataggag      420
364 attatcccg gtgcctgcgt ccaggctggt gtctgggttc tgtgcccctt cccacacca      480
366 ggtgtcctgt ccattctcag gctggtcaca tgggtgtcc tagggtgtcc catgagagat      540
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377 <221> NAME/KEY: misc_feature
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384 tggacaggta aggagtggga gtcaggaggt ccagttccag ggacagagat tacgggataa      120
386 aaagtgaaag gagagggacg gggcccatgc cgagggtttc tcccttgttt ctacagacagc      180
388 tcttgggcca agactcaggg agacattgag acagagcgct tggcacagaa gcagaggggt      240
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402 tgagtgcggg gtcgggaggg aaacggcctc tgtggggaga agcaacgggc cgcctggcgg      660
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416 <223> OTHER INFORMATION: Class I-A2 allele IVS3
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420 gtaccagggg ccacggggcg cctccctgat cgctgtaga tctccgggc tggcctccca      60

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 75,76
Seq#:15; N Pos. 348
Seq#:24; N Pos. 448,450,453

VERIFICATION SUMMARY

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L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:300
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:420